

ABOUT THE INSTITUTE

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as National Institute of Technology with the status of institute of National Importance on Aug 15, 2007. Sardar Vallabhbhai National Institute of Technology (SVNIT) is one of the pioneering engineering institutions of the country which has contributed many outstanding engineers in India and abroad. At present, SVNIT is conducting six UG programs, seventeen PG programs, and a Ph.D. program in all disciplines of engineering and applied sciences. The institute is also running three M.Sc. integrated programs in applied Sciences. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.

ABOUT DEPARTMENT

The Department of Civil Engineering came into existence in the year 1961. The department has 25 qualified and dedicated faculty members with the specialization in various themes of Civil Engineering. The department is conducting UG program in Civil Engineering and four PG programs (Water Resources Engineering, Environmental Engineering, Urban Planning, and Transportation Engineering & Planning) and a research program leading to Ph.D. Degree in Civil Engineering. Water Resources Engineering section is having Centre of Excellence on Water Resources and Flood Management established under TEQIP- II.

ABOUT THE STTP

TEQIP-III Sponsored One Week Short Term Training Programme on Simulation Solutions for Engineering Applications is scheduled during March 11-15, 2019.

TEQIP-III Sponsored One-Week Short Term Training Programme

on SIMULATION SOLUTIONS FOR ENGINEERING APPLICATIONS (SSEA)

March 11-15, 2019

ORGANISED BY
DEPARTMENT OF CIVIL ENGINEERING
SVNIT, SURAT



Coordinators

Dr. V.L.Manekar
Professor,
CED, SVNIT Surat

Dr. P.V. Timbadiya
Associate Professor
CED, SVNIT Surat

The STTP programme is aimed for engineering students, research scholars, academicians and practicing engineers. At the end of the training programme participants are expected to have adequate knowledge on concepts of simulation; design and conduction of experiments; analyse and interpretation of data and able to solve real world problem pertaining to various engineering fields.

ABOUT SURAT CITY

The Surat city, situated on the bank of Tapi River, is highly ranked industrial city of the country with a network of flyovers and clean wide roads. It is well known worldwide for textiles, Zari and Diamond industries. The city is situated on the main western railway route between Vadodara and Mumbai. The institute is located at Ichchhanath on Surat-Dumas road at a distance of about 10 km from the Surat railway station and 5km from Surat Airport.

TOPICS TO BE COVERED

- Introduction of simulation solutions and its engineering applications
- Basic Equation governing fluid flow in open channels and closed conduit systems.
- Geometry and flow domain formulation
- Pre-processing (Mesh generation, Boundary condition, Initialization, Model and parameter selections)
- Solver (Solver selection, Solver control, Simulation monitoring and convergence, Discretization schemes selection and Parallel computing)
- Post-processing (Introduction to data analysis and visualization with various tools; Data conversion; etc)
- Interface, Graphics, Reporting, Export/import
- Export /Import of data
- Hands on practice of ANSYS Fluent software
- Documentation
- Finite Difference, Finite Volume and Finite element methods in numerical modelling.

REGISTRATION

The registration fee for participants is as follows,

UG/PG students and research scholars	Rs.500	The registration fee includes programme kit, working snacks and lunch
Academicians from Technical institutions	Rs.2000	
Professionals from Industry, Consultants and Engineer / Practitioners	Rs.3000	

The accommodation for outside participants may be provided in institute Hostel/Guest House on prior information and payment basis.

Payment of the registration fee should be in the form of Demand Draft/local cheque in favour of "Director, SVNIT, Surat".

Last date for Registration

[Completed Registration form should reach to institute along with Demand Draft/Cheque]:

March 04, 2019

Display of selected participants: March 05, 2019

All participants will receive a Participation Certificate at the end of the course.

RESOURCE PERSONS

- Experts will be from reputed academic institutions like NITs / research and industry personnel's.

IMPORTANT INSTRUCTIONS

The number of participants is limited to thirty only and will be selected on 'first come first serve' basis.

- Confirmation regarding participation in the programme will be made through mail only, please check your email regularly.
- Travel and accommodation expenses have to be borne by the participants.
- SVNIT is at a distance of about 10 km from Surat railway station. By auto it may charge @ Rs. 100-120.

VENUE

Computational Hydraulics Lab at Centre of Excellence on Water Resources and Flood Management, SVNIT, Surat

CONTACT DETAILS

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Student Coordinator

Mr. Praveen Rathod & Ms. Ritica Thakur,
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TEQIP-III Sponsored One-Week Short Term Training Programme on Simulation Solutions for Engineering Applications March 11-15, 2019

1. Full Name:
2. Qualification:
3. Designation:
4. Experience:
5. Department and Institution with Address:

6. Contact Details:

Mobile Number: _____

E-mail: _____

7. DD Details: (In favour of "**Director, SVNIT**" payable at **Surat**)

Bank : _____;

DD No. : _____;

Amount: _____;

Date : _____;

8. Accommodation required: YES/NO,

9. Gender: Male/Female

I declare that the details furnished above are correct to the best of my knowledge and belief. I also undertake to abide by the rules and other conditions prescribed during the STTP at SVNIT, Surat.

Date:

Signature and Name of Applicant